

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 May 2004 (06.05.2004)

PCT

(10) International Publication Number  
**WO 2004/038849 A1**

(51) International Patent Classification<sup>7</sup>: **H01P 1/18, 1/22**

(21) International Application Number:  
PCT/EP2003/013336

(22) International Filing Date: 24 October 2003 (24.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0224911.8 25 October 2002 (25.10.2002) GB

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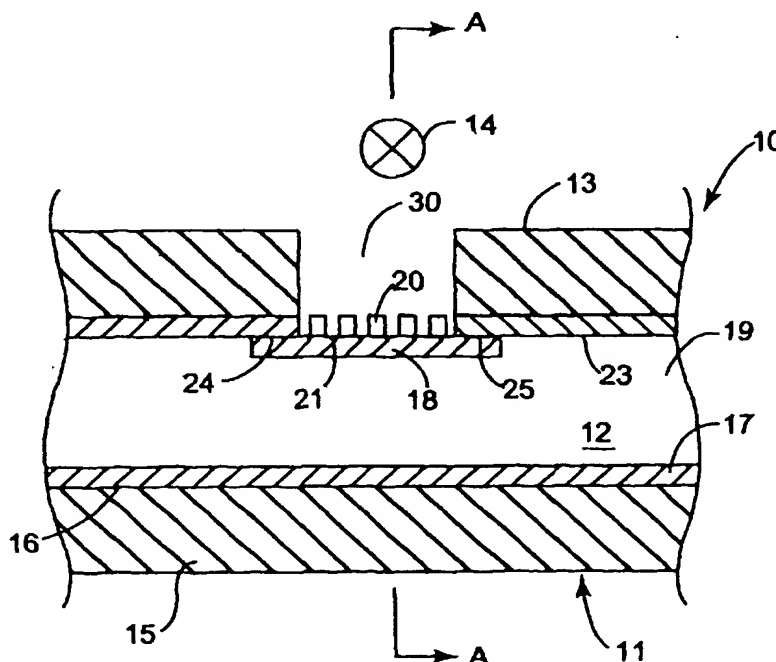
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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,

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(54) Title: **TUNEABLE PHASE SHIFTER AND/OR ATTENUATOR**



(57) **Abstract:** The invention relates to a tuneable phase shifter and/or attenuator comprising a waveguide having a channel and a piece of photo-responsive material (18) disposed within the waveguide along an internal wall of said channel, a light source disposed outside the waveguide to emit light through an aperture (30) of said internal wall to impinge on at least part of an outside surface of said piece of photo-responsive material (18).